



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4092-1
Job Sheet 181092



Part No: D4092-1

Job Qty: 16 ea

Part Name: Maintenance Step



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/20/18

Job Tracking No:

Due Date: 8/7/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C lpp Rev:A New Issue 10-05-31 JLM Verified By:DD IPP REV:B AS PER ECN 11-639 JLM
VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	16 Ea		8/7/18	0.00	0.00	Start Up Machining-2		DAS 18/08/18
100	Bandsaw	16 pcs		8/7/18	0.00	0.91	Bandsaw1		52 18/08/18
110	CNC Vertical Machining	16 pcs		8/7/18	0.27	14.55	HAAS1-4		9-89 18/08/18
120	QC	16 pcs		8/7/18	0.00	0.00	QC2 Machining-2		18/08/18
130	QC	16 pcs		8/7/18	0.00	0.00	QC8 Machining-2		J.C.L. 18/08/18
140	HandFinish	16 pcs		8/7/18	0.00	1.77	HandFinish1		D.R. 18/08/18
155	HandFinish	16 pcs		8/7/18	0.00	1.77	HandFinish3		18/08/18
160	QC	16 pcs		8/7/18	0.00	0.00	QC3		AUG 27 2018
170	Packaging	16 pcs		8/7/18	0.00	0.00	Packaging3-2	54480	DAS 6 AUG 27 2018
180	QC21-SA	16 Ea		8/7/18	0.00	0.00	QC21		21 AUG 28 2018

Part Op 110 - Mill as per Dwg and Folio FA935 ****Grind flush transition machining mark after machining bottom of extrusion, see Descriptions: detail A. ****
cut Blank at 30.250
wing walk. M-138851

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2761-108	Extrusion (HPK)	40 ft (2.5 ea)	90-Start up Operation	B140540 8099293

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D2761-108	40	1,434	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																		
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																		
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																		
Large Fab ☐	Composite ☐	Supplier ☐																			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																	
Description Work Order Deviation		Disposition		Completed By																	
DART Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com Container No: S099294 Part: D4092-1 Job No: 181092 Serial No/Batch: S099294 Revision: _____ Inspector: _____ Exp Date: _____ Instructions: Various STC's Date: 09/04/18				Lead hand / Supervisor Approval Verification																	
				QC / QA Coordinator Approval																	
				Positioned Wrong Outside Dimensions Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Drawing Finish Misread Turning Sequence																	
<table style="width:100%; border: none;"> <tr> <td style="width:25%; border: none;"> Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:25%; border: none;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> <td style="width:25%; border: none;"> Pre: _____ Ben _____ Cen _____ Cra _____ Crin _____ Cuff _____ Crus _____ Hea _____ Wav _____ Mar _____ </td> <td style="width:25%; border: none;"> OTHER : _____ </td> </tr> </table>					Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pre: _____ Ben _____ Cen _____ Cra _____ Crin _____ Cuff _____ Crus _____ Hea _____ Wav _____ Mar _____	OTHER : _____													
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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS							
	Rework	☐	Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐
	Scrap	☐	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐
	Use-as-is	☐	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐
	Suspect/Unapproved	☐	Large Fab	☐	Composite	☐	Supplier	☐		

Date :	Step #:	QTY Effective :	MRB (QSI042) Approval
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Description Work Order Deviation	Disposition	Completed By
		Lead hand / Supervisor Approval Verification
		QC / QA Coordinator Approval

Root Cause			FAULT CATEGORY		
Environment	☐	No Re-verification	☐	Pressure/Forced	☐
Design	☐	Operator	☐	Bending	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐
Material	☐	Use for Testing	☐	Cuffs	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐
Past Expiry Date	☐	Manufacturing Process	☐		
Misidentified	☐	Past Due	☐	OTHER :	